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EXAMINER

PICKETT, JOHN G

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Please find below and/or attached an Office communication concerning this application or proceeding.



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Number of pages 7 **including this page**

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Greg Pickett
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Translation of French Patent Document No. 831,032

Inventor: Alain Chaperot

Applicant: Modo Paper PSM

Priority Date: France, September 23, 1996

Int. Class: B65D 75/52

Application Date: September 23, 1997

Publication Date: March 25, 1998

Original French Title: Maculature d'emballage d'une ramette de feuilles de papier et ramette ainsi emballe.

MILL WRAPPER FOR A REAM OF PAPER AND REAM WRAPPED
WITH SAID WRAPPER

A mill wrapper in the art of papermaking is a sheet of paper serving as wrapper to enclose sheets of paper usually forming a ream. The person of skill in the art refers to such wrapper simply as "wrapper."

After printing, cutting, folding, and enclosing the paper with the wrapper, the sheets of paper on the inside of the wrapper are, of course, no longer visible. Of course, if the paper is in a warehouse or even on storage shelves the color of the paper is no longer visible. The package has to be opened before it can be determined that it does not contain the desired color.

French patent document FR-A-2,072,451 discloses a wrapper for flat objects which comprises an inspection window.

However, if a plurality of packages are stacked up, the usefulness of this prior art observation window is significantly reduced owing to being covered by the aforementioned wrapper.

The object of the present invention is therefore a mill wrapper for sheets of paper which comprises at least one inspection window, characterized in that the inspection window is a projecting window, i.e., formed at one of the edges of the mill wrapper.

Advantageously, the inspection window is a transparent window, for example, constituted of an opening that was previously cut into the mill wrapper and covered with a transparent material, preferably in the form of a film.

In the preferred embodiment of the mill wrapper of the invention, the window is arranged in the portion of the mill wrapper that extends over an edge of the wrapper, preferably over the two edges on both sides of a joining edge of the two edges.

The invention also relates to a ream of paper sheets wrapped in a mill wrapper in accordance with the invention.

The invention will be better understood with the help the description below of the preferred embodiment of the mill wrapper and with reference to the accompanying drawing in which:

Fig. 1 is a top view of the inventive mill wrapper;

Fig. 2 is a perspective view on a larger scale of a ream according to the invention with the mill wrapper not completely folded as a function of the wrapping;

Fig. 3 is a view of the portion of the ream in Figure 2, completely wrapped, with the inspection windows arranged.

A rectangular blank 1 is cut out of ordinary paper which is initially not usable for printing, and after a special design is applied and which is to become a mill wrapper for wrapping paper of the best quality, i.e., print quality for a ream, which normally contains five hundred sheets. Starting from one 2 of the side edges of the rectangular sheet 1, two end openings 3, 4 are cut out. In this case, they are in the form of two virtual strips 5 which are to become the longitudinal edges 6, 7 of the final wrapper (Figures 2, 3). The openings 3, 4 in this case, are rectangles elongated into a semi-circle, but this shape is not obligatory. After the openings 3, 4 are cut, they are preferably covered from the inside 8 of the blank 1 with a transparent film 9, 10 which, in this case, is a rectangular patch, in such a way as to form two transparent inspection windows 11, 12.

Then, a pack of five hundred sheets of printing paper 13 is subsequently enclosed with the help of the mill wrapper 1 in a conventional manner for wrappers, but ensuring, that the fold is extended in such a way as to form windows 11, 12, with each extending over two edges 6, 14 and 7, 14 on both sides of the joining edge 15, 16 on the two edges 6, 14 and 7, 14.

After the folding operation, a ream of paper sheets 17 is obtained, with the sheets appearing through the transparent inspection windows 11, 12 and with the color being readily visible even if a plurality of these reams are stacked upon one another on shelves or in a warehouse.

It must be noted that once the ream 17 is wrapped, it is the exterior side 18 of the blank 1, opposite the side of the patches of transparent film, which is visible.

CLAIMS

1. Mill wrapper for paper sheets (13), comprising at least one inspection window (11, 12), characterized in that the inspection window is an open window (11, 12).
2. Mill wrapper as defined in Claim 1, wherein the inspection window is a transparent window (11, 12).

3. Mill wrapper as defined in Claim 2, wherein the inspection window (11, 12) is constituted of an opening (3, 4) which was previously cut into the mill wrapper and is covered with a transparent material (9, 10).

4. Mill wrapper as defined in Claim 3, wherein the opening (3,4) is covered with a transparent film.

5. Mill wrapper as defined in one of Claims 1 to 4, wherein the window (11, 12) is arranged in the portion of the mill wrapper (5, 25) which is intended to extend over an edge of the wrapper (6, 7).

6. Mill wrapper as defined in Claim 5, wherein the window (11, 12) is arranged in the portion of the mill wrapper (5, 25) extending over two edges (6, 14-7, 14) on both sides of a joining edge (15, 16) of the two edges (6, 14-7, 14).

7. Ream of paper sheets (13) wrapped in a mill wrapper as defined in one of Claims 1 to 6.

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Martha Witebsky - July 30, 2003

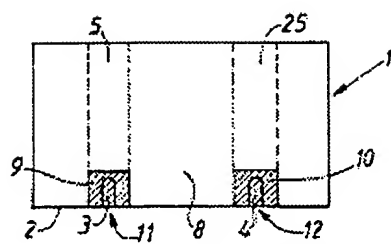


FIG. 1

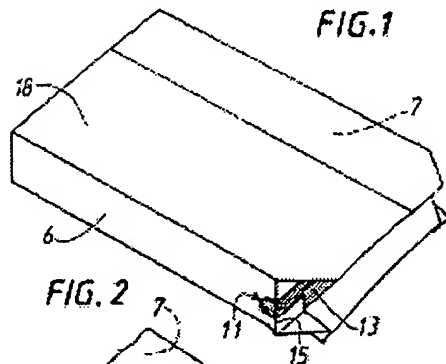


FIG. 2

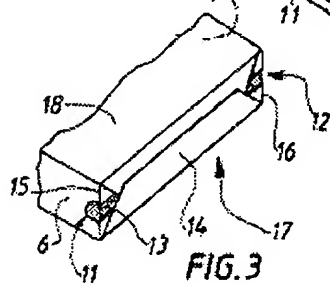


FIG. 3

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